

Title (en)

PROCESSING METHOD AND APPARATUS FOR FEE CALCULATION, AND VEHICLE PAYMENT SYSTEM

Title (de)

VERARBEITUNGSVERFAHREN UND -VORRICHTUNG ZUR GEBÜHRENBERECHNUNG UND FAHRZEUGBEZAHLSYSTEM

Title (fr)

PROCÉDÉ ET APPAREIL DE TRAITEMENT DE CALCUL DE FRAIS, ET SYSTÈME DE PAIEMENT DE VÉHICULE

Publication

EP 3734562 A1 20201104 (EN)

Application

EP 18897667 A 20181211

Priority

- CN 201711480886 A 20171229
- CN 2018120279 W 20181211

Abstract (en)

The present disclosure provides a fee calculation apparatus. The fee calculation apparatus includes: a first receiving unit configured to receive a unique identification of a vehicle; a transmission unit configured to send a first request to a vehicle payment system after completing a fee calculation, the first request including the unique identification of the vehicle; and a second receiving unit configured to receive a response to the first request from the vehicle payment system. The disclosure also provides a fee calculation method, a charging post including the fee calculation apparatus, a vehicle communicating with the fee calculation apparatus or the charging post, a vehicle payment system, a signaling transmission method and a computer storage medium for the vehicle payment system.

IPC 8 full level

G06Q 20/32 (2012.01); **G07F 15/00** (2006.01)

CPC (source: CN EP KR US)

B60L 53/16 (2019.02 - US); **B60L 53/665** (2019.02 - US); **G06Q 20/145** (2013.01 - US); **G06Q 20/3278** (2013.01 - CN KR US); **G06Q 20/3674** (2013.01 - US); **G07F 15/005** (2013.01 - CN EP KR); **Y02T 10/70** (2013.01 - EP); **Y02T 10/7072** (2013.01 - EP); **Y02T 90/12** (2013.01 - EP); **Y02T 90/14** (2013.01 - EP); **Y04S 50/12** (2013.01 - KR)

Cited by

CN112735037A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3734562 A1 20201104; **EP 3734562 A4 20210310**; CA 3084854 A1 20190704; CA 3084854 C 20230905; CN 108320388 A 20180724; CN 108320388 B 20200121; JP 2021508887 A 20210311; KR 102409474 B1 20220615; KR 20200101979 A 20200828; TW 201931241 A 20190801; TW I757569 B 20220311; US 2020398692 A1 20201224; WO 2019128696 A1 20190704

DOCDB simple family (application)

EP 18897667 A 20181211; CA 3084854 A 20181211; CN 201711480886 A 20171229; CN 2018120279 W 20181211; JP 2020536520 A 20181211; KR 20207022013 A 20181211; TW 107145590 A 20181218; US 201816957280 A 20181211